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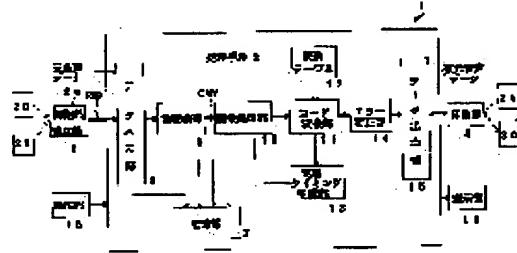
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## (54) COLOR TWO-DIMENSIONAL CODE AND METHOD AND DEVICE FOR GENERATING AND RESTORING THE SAME

### (57)Abstract:

**PROBLEM TO BE SOLVED:** To use a printed matter as a keeping medium in spite of a large capacitance of data by making a large quantity of information into a code with a small area.

**SOLUTION:** A reading part 2 outputs an original picture object 20 to a reading processing means 3. A code converting part 11 of the processing means 3 outputs a color two-dimensional code corresponding to a variable density gradation by CMY(a cyan, a magenta and yellow) color in read original picture data of one pixel and printing is executed on a code printing paper sheet by a printing part 4. When restoration picture data is obtained from the code printing paper sheet, the variable density gradation by CMY color is outputted from the color two-dimensional code which is read by the reading part 2. The printing part 4 prints restoration data on a printing body 30 based on the variable density gradation.



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